

Hettenshaw Valley Groundwater Basin

- Groundwater Basin Number: 1-36
- County: Trinity
- Surface Area: 850 acres (1 square mile)

Basin Boundaries and Hydrology

The Hettenshaw Valley Groundwater Basin is a northwest trending basin located along a tributary of the Van Duzen River. The basin is bounded on all sides by the Cretaceous Franciscan Formation. Basin deposits consist of Quaternary alluvium (Strand 1962). Annual precipitation is approximately 59 inches.

Hydrogeologic Information

Hydrogeologic information was not available for the following:

Water-Bearing Formations

Groundwater Level Trends

Groundwater Storage

Groundwater Budget (Type B)

The estimate of groundwater extraction for the Hettenshaw Valley Basin is based on a 1996 survey conducted by the California Department of Water Resources. The survey included landuse and sources of water. Groundwater extraction for municipal and industrial uses is estimated to be 1 acre-foot. Deep percolation of applied water is estimated to be 1 acre-foot.

Groundwater Quality

Hydrogeologic information was not available.

Well Characteristics

| Well yields (gal/min) | | |
|-----------------------|------------------|--|
| Municipal/Irrigation | NKD | |
| Total depths (ft) | | |
| Domestic | Range: 120 - 280 | Average: 180 (3 Well Completion Reports) |
| Municipal/Irrigation | | |
| NKD – No known data | | |

Active Monitoring Data

| Agency | Parameter | Number of wells /measurement frequency |
|--------|-----------------------------|--|
| | Groundwater levels | NKD |
| | Miscellaneous water quality | NKD |
| | DHS Title 22 | 0 |

Basin Management

| | |
|-------------------------|--|
| Groundwater management: | No known groundwater management plans, groundwater ordinances, or basin adjudications. |
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Water agencies

| | |
|--------|------|
| Public | None |
|--------|------|

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|---------|------|
| Private | None |
|---------|------|

Selected References

Fratlicelli LA, Albers JP, Irwin WP, Blake MC. 1987. Geologic Map of the Redding 1 x 2 Degree Quadrangle, Shasta, Tehama, Humboldt, and Trinity Counties, California. USGS. OF-87-257.

Irwin WP. 1960. Geologic Reconnaissance of the Northern Coast Ranges and Klamath Mountains, California. California Division of Mines and Geology. Bulletin 179.

Strand RG. 1962. Geologic Map of California, [Redding Sheet]. Scale 1:250,000. California Division of Mines and Geology.

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California Department of Water Resources. 1975. California's Ground Water. California Department of Water Resources. Bulletin 118.

California Department of Water Resources. 1980. Ground Water Basins in California. California Department of Water Resources. Bulletin 118-80.

Dickinson WR, Ingersoll RV, Grahm SA. 1979. Paleogene Sediment Dispersal and Paleotectonics in Northern California. Geological Society of America Bulletin 90:1458-1528.

Planert M, Williams JS. 1995. Ground Water Atlas of the United States, Segment 1, California, Nevada. USGS. HA-730-B.

Errata

Changes made to the basin description will be noted here.